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NPIC/R-829/64

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PHOTOGRAPHIC INTERPRETATION REPORT

LAUNCH COMPLEXES A AND E
AND TROOP TRAINING AND SUPPORT AREA
KAPUSTIN YAR/VLADIMIROVKA
MISSILE TEST CENTER, USSR

Declass Review by NIMA/DOD



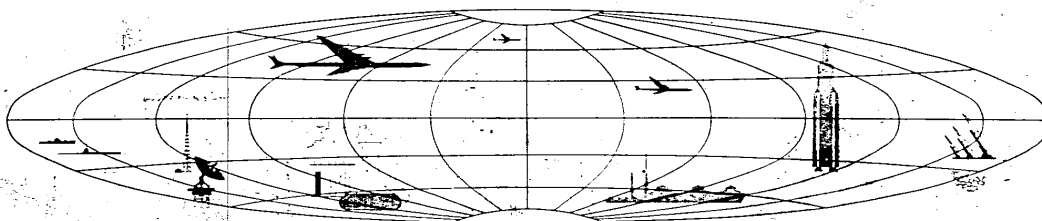
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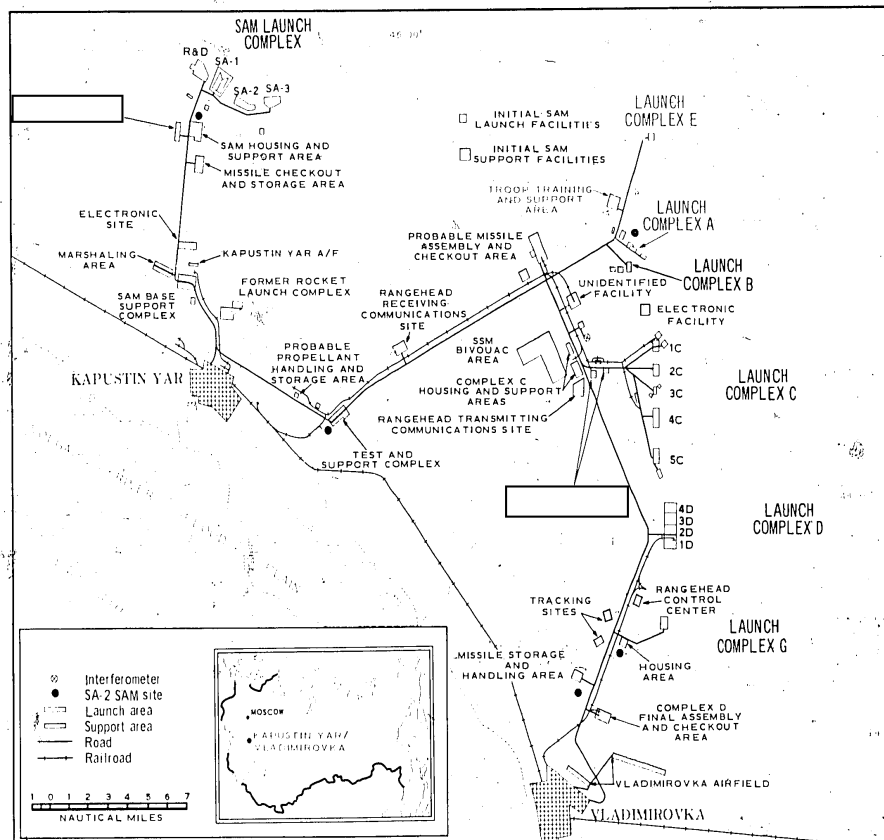


FIGURE 1. KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER.

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This report is one of a series being prepared in response to requirements [redacted] and DIANN 64-14, and presents a detailed photographic interpretation report on Launch Complex A, Launch Complex E, and the Troop Training and Support Area of the Kapustin Yar/Vladimirovka Missile Test Center

(Figure 1). Information is updated on this facility since [redacted] and was derived primarily from [redacted] photography of [redacted] although photography of [redacted] and [redacted] also was utilized.

LAUNCH COMPLEX A

Launch Area A

The permanent facilities at Launch Area A (Figure 2), including the two launch pads and the two large earth-ramped structures, show no new construction activity since [redacted]. Other activity is evident, however, with the major item of interest being an SS-4 missile exercise underway at the southern launch pad. Equipment present includes an erected SS-4 missile with a total height of approximately [redacted] including launch platform, an erector with its boom still cradling the missile, a 30-foot fuel trailer towed by a YAAZ-214 truck, two 30-foot oxidizer trailers also towed by YAAZ-214 trucks, a cherry picker, an SS-4 transporter, five [redacted] support vans, two possible water trucks, one possible oxidizer transfer van, one possible hydrogen peroxide truck, two possible medium generators, one possible nosecone van, and at least 15 additional cargo trucks and unidentified vehicles throughout the area.

Activity also is evident at the northern earth-ramped structure. A crane and two unidentified pieces of equipment are located on this ramp and two cargo trucks and several unidentified vehicles/pieces of equipment are parked on a hardstand to the west. Three additional trucks are also parked in the area.

The southern earth-ramped structure is inactive and the road to this structure has never been hard surfaced. This area is separately fence secured and apparently is not in use.

Support Area

The support area for Complex A (Figures 3 and 4) has continued to show expansion since [redacted]. Twelve new buildings, including one which is under construction, have been added in the administration and housing section. The majority of these have been associated with electronic facilities. Following are building descriptions and dimensions, keyed to Figure 4, dimensions in feet, approximate:

1. Probable admin/housing under construction, multistory, 145 x 45.
2. Storage, [redacted]
3. Admin/housing, 70 x 40.
4. Section 70 x 20 added as crossbar to building 80 x 55 to form a "T" shaped building probably administrative in function.
5. Electronic-associated building, hip-roofed, 155 x 35.
6. Electronic-associated building, gable-roofed, 25 x 25.

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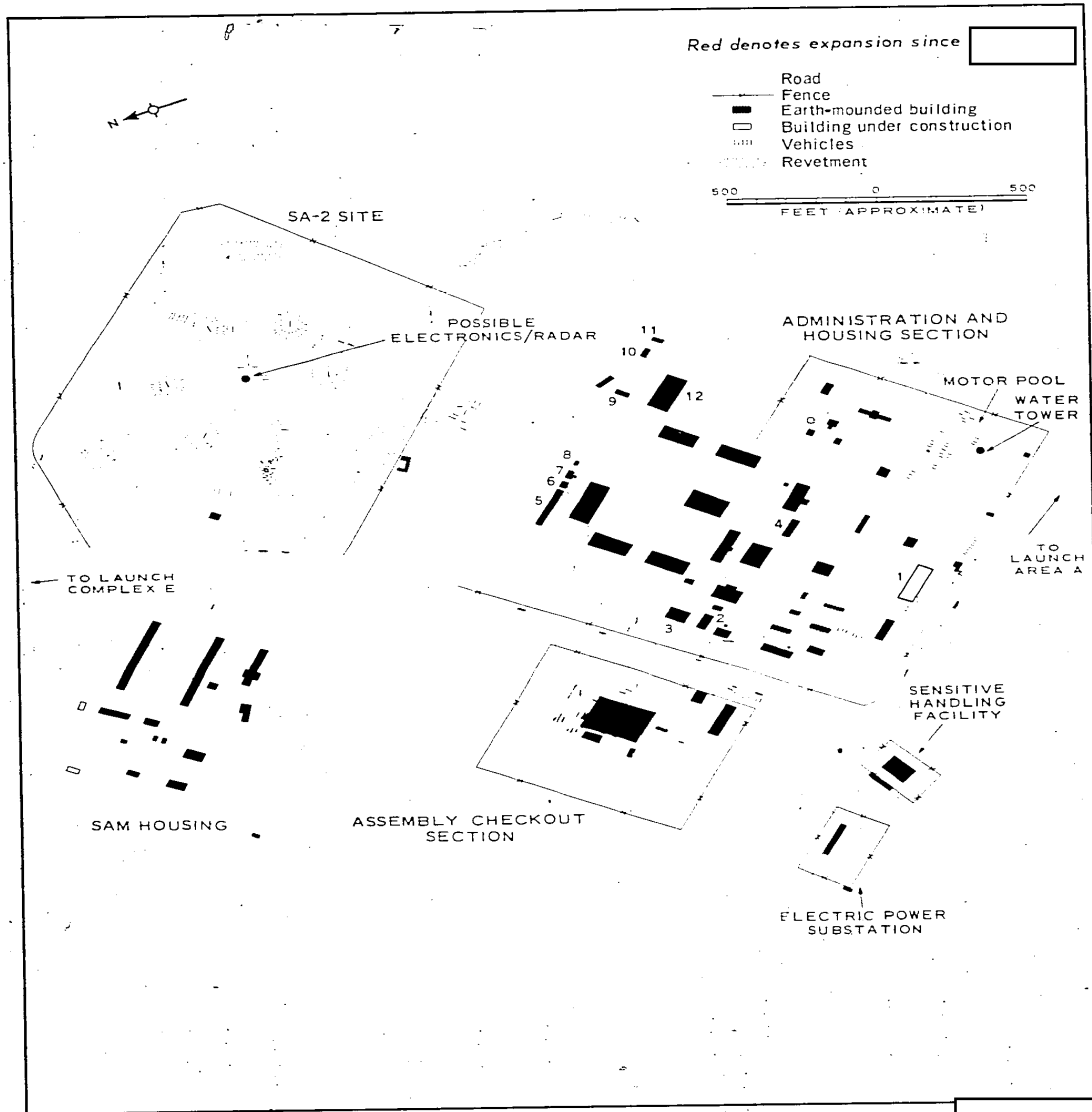


FIGURE 4. SUPPORT AREA, LAUNCH COMPLEX A.

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7. Probable electronic-associated building, trapezoidal shaped, [] 10 entrance.

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8. Electronic-associated building, 20 x 15.

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9. Electronic-associated building, gable-roofed, 25 x 25 with [] gable-roofed extended entrance.

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10. Electronic-associated building, gable-roofed, [] with gable-roofed entrance approximately 15 x 10.

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11. Electronic-associated building, flat-roofed, []

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12. Electronic-associated building, flat-roofed, 115 x 60 with cupola on top []

The motor pool contains at least 35 vehicles and at least 18 additional vehicles are parked throughout the area. The perimeter fence line has not been extended to the northeast side of the administration and housing section.

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The SA-2 site approximately 1,000 feet northeast of the administration and housing section was occupied when observed on []

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[] The site contains six launchers, two of which have missiles emplaced. One missile is on a transporter on the road system within the site and another missile is on a transporter which is parked just off the ring road in the northern section of the site.

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LAUNCH COMPLEX E

This northernmost of the SSM launch complexes, Launch Complex E (Figure 5), has had no appreciable changes since [] The complex continues to be double fenced with guard towers at the corners. A newly identified bunker is located north of the launch pad. It measures 115 by 65 feet at the base and 80 by 30 feet at the top. This bunker was previously identified as a new building in NPIC/R-156/63. 1

Six electronic vans and a possible FAN SONG radar are in the central guidance revetment. Six additional probable missile transporters and six additional vehicles also are parked within the site. Two possible transporters, two possible electronic vans and six additional vehicles are located outside the site to the southwest. No equipment is present in the three hold revetments. No apparent change was noted in the SA-2 housing and support area just across the road from the site to the north.

One new 140- by 45-foot, single-story, gable-roofed building has been added along the entrance road into the missile assembly and checkout area west-northwest of the housing section. Eighteen vehicles were parked in this area, including a probable missile transporter approximately [] feet long with a possible missile [] on it. The bed of the probable transporter is approximately [] wide. There also is a large flatbed truck, approximately [] long, parked near the large assembly and checkout building. The bed of this vehicle measures approximately [] Two vehicles approximately [] and three trucks or vans approximately 20 by 10 feet are parked nearby. In addition, 10 vehicles were parked on a hardstand outside the entrance to the area.

There has been no apparent change in the size or configuration of the launch pad, the support buildings near the pad, or the support buildings at the complex entrance. A small structure is located in an excavation approximately 400 feet north of the pad. This can now be seen to be a probable terminal room which would have been located under the firing

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point if a second launch pad had ever been constructed.

25X1D A small object, possibly a small missile or rocket, is present in an erected position on the apron adjoining the northern corner of the launch pad. It stands approximately [] feet high. A second object, possibly an erector or servicing platform, has a circular hooplike

configuration at the top. No height measurement could be obtained on this object. These two objects are connected by a possible cable. An unidentified object giving a bright reflection is located near the eastern edge of the depression between the launch pad and apron. Eight vehicles, the largest measuring [] are located throughout the complex.

TROOP TRAINING AND SUPPORT AREA

25X1D The Troop Training and Support Area (Figures 6 and 7), located approximately one nautical mile (nm) north-northwest of Launch Complex A support area and approximately 3.3 nm southwest of Launch Complex E, has had continuing expansion of permanent facilities since []. Twenty-seven buildings, including seven presently under construction, have been added to the support portion of the area. These include 16 two-story barracks buildings measuring approximately 150 by 40 feet, a new mess hall measuring approximately 360 by 45 feet, and 10 smaller one-story buildings. The greatest increase in building construction was between []

25X1D [] During this period five of the barracks buildings were erected and four were under construction. One building measuring approximately 170 by 60 feet, one 80 by 25 feet, and an addition measuring 100 by 40 feet to an existing building also were erected. The large area of tent bases to the north has one section occupied with 32 pyramidal tents and five vehicles. There also is an area just north of the barracks where there are six rectangular squad-type tents, two utility tents, and a larger

checkout tent/building measuring approximately 125 by 30 feet. There also are three vehicles parked in this section.

West of the barracks area is a large motor pool with six new small buildings. There are at least 100 vehicles parked in the motor pool, including 12 which are missile transporters/erectors, or cranes. There are also two new probable vehicle storage/maintenance buildings with concrete aprons south of the motor pool. The buildings measure approximately 125 by 60 feet and 150 by 60 feet. Dispersed throughout the area are five other separate groupings of vehicles and tents. The large vehicles are possible transporters/erectors or cranes.

There are two probable SCUD exercises taking place in the area. One (Item A, Figure 6), a probable assembly/warhead mating exercise, has two A-frame cranes, one erected, a probable SCUD missile on a probable ZIL-157 semitrailer. The other probable exercise (Item B) consists of a probable fueling exercise with a probable SCUD missile on a semitrailer, a possible fuel transporter, a possible oxidizer transporter, and a possible water truck.

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REFERENCES

MAPS OR CHARTS

1. SAC, US Air Target Chart, Series 200, Sheet 9235-22HL, 4th ed, May 63, scale 1:200,000 (SECRET)

DOCUMENT

1. NPIC, R-156 63, *Launch Complexes A, B, E, and G, Kapustin Yar, Vladimir-Zhukov Missile Test Center, USSR*, Aug 63 (TOP SECRET)

REQUIREMENTS

UGMC-64 (partial answer)

DIANN 64-14 (partial answer)

NPIC PROJECT

N-551 64 (partial answer)

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